

FOLIO



THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

SEPTEMBER 4, 1975

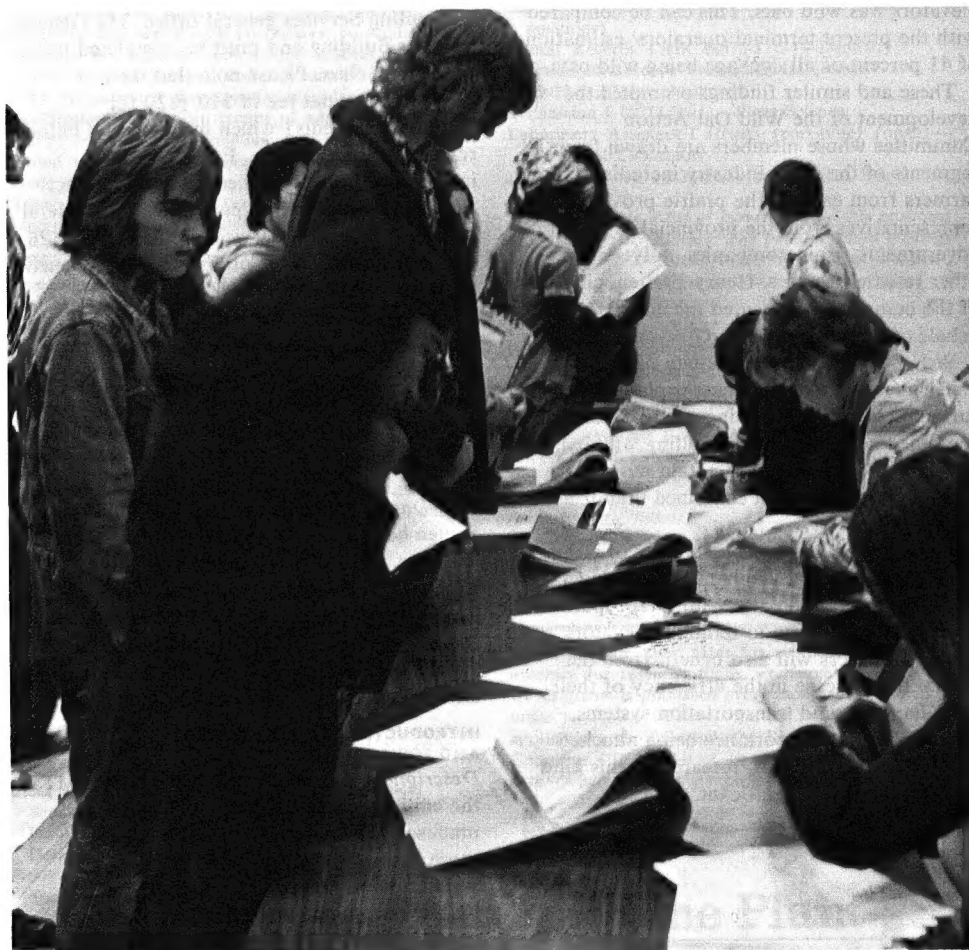
RADIOPHARMACEUTICAL CENTRE TO BE CONSIDERED

In the fall of 1972, the late R.E. Bell, formerly Chief of Pathology at the University Hospital, generated interest in the establishment of a central supply source for radiopharmaceuticals in Edmonton. Radiopharmaceuticals are radio-active drugs used for the diagnosis and treatment of disease. Presently, the users which include all the major hospitals in Edmonton as well as the University of Alberta buy and store these drugs individually—a wasteful practice due primarily to the short shelf life of the compounds.

The enthusiasm first sparked by Dr. Bell was maintained by his colleagues through the ensuing months of planning. The proposed centre would be self-sufficient and would engage in the manufacture as well as the distribution of compounds for use in Edmonton hospitals.

The suggestion to locate the centre on campus in the Dentistry-Pharmacy Building was based on the value perceived in having a close association between the centre and the University's Division of Radiopharmacy. The centre would offer a research component which would bring scientists in the community and the University together in a particularly useful fashion. The matter goes before the Board of Governors for final consideration September 5.

A comprehensive study into the feasibility of the concept and its alternatives revealed that there were a number of advantages to be gained from the undertaking. These include better cost effectiveness (with an expected average saving of \$77,000 per annum over a 10 year period); improved quality control of the product; the development of better techniques in the preparation of materials already in use; the development of production methods for materials in demand only occasionally which are not presently available from existing suppliers; the provision of a facility for the instruction of pharmacists, radiopharmacists, medical residents, and nuclear medicine technicians; the possibility of a residency program in radiopharmacy which must presently be taken elsewhere and which will help fill the existing void of professionals in this field. In a more far-reaching sense, the centre would serve as a model system for other such developments in health care delivery.



Richard Kerr

On Tuesday, registration week began, and by Friday one of the most difficult parts of the University year will be over.

While the centre will only have facilities to service the greater Edmonton area, it is anticipated that in future years the service may be extended beyond that.

The association between the Faculty of Pharmacy and Pharmaceutical Sciences and the centre would be mutually beneficial since they would share equipment and facilities. In addition, the alliance of the service and teaching functions should go some way to ensure a particularly high standard of excellence in radiopharmacy and clinical nuclear medicine in northern Alberta.

RESEARCH GRANT RECEIVED FOR WILD OATS STUDY

A research grant of \$20,000 was presented to the Department of Plant Science by United Grain Growers Limited for further research on the control of wild oats. This grant, is the second of two, the first of which was matched by the Alberta Agricultural Research Trust. The grant came about as the result of interest aroused by extensive grain losses due to wild oat competition in western Canadian grain fields.

Wild oats are strong competitors with grain

crops and significantly reduce crop yields. The total loss from wild oat infestation to western farmers has been estimated at about 350 million bushels worth some \$9 million. The general level of severity of wild oat infestation has been increasing over time. Up to 1959, it was observed that about 30 percent of the dockage shipped from prairie farms to terminal elevators was wild oats. This can be compared with the present terminal operators' estimation of 41 percent of all dockage being wild oats.

These and similar findings prompted the development of the Wild Oat Action Committee whose members are drawn from all segments of the grain industry including farmers from each of the prairie provinces, representatives from the provincial governments, grain companies, universities, and other research centres. Henry Freisen, chairman of the committee, presented the cheque on behalf of the United Grain Growers.

W.H. Vanden Born, chairman of the Department of Plant Science, explained that current research is focussing on the effects of combined herbicides in controlling wild oats. These herbicides evidently obtain more significant results when combined than if used individually.

Canada's reputation as a supplier of clean grain could be greatly enhanced by reducing the quantity of wild oats. With the proportion of wild oats delivered to terminal elevators reduced, farmers will also benefit from the substantial increase in the efficiency of their grain handling and transportation systems. With world-wide importance being attached to improved crop yields, research of this kind is both timely and significant.

FOLIO

THE UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA

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Jeanette Rothrock, Editor

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COMPUTING SERVICES NON-CREDIT COURSES

Computing Services is again offering a series of non-credit courses to run throughout the fall and early winter. These courses are open to all interested persons, but preference will be given to staff and students of the University.

Registration for all courses is taken at the Computing Services general office, 352 General Services Building and must be completed prior to the first class. Please note that there is usually a nominal fee of \$10 (\$20 for commercial clients) which must be paid before registration is complete. For further information regarding these courses, contact the Department of Computing Services general office, 352 General Services Building, 432-1261, or the Information Co-ordinator, 319A General Services Building, 432-1463. The first six courses to be offered in the series are:

USE OF TERMINALS (Two 2-hour labs, 3 sections)

Description: Introduction to the use of computer terminals. Includes procedures for signing on to the MTS system, creating, editing, copying, and destroying files; and keying in text. *Dates:* 2-4 p.m. Tuesday and Thursday September 16 and 18 (Section 1); 2-4 p.m., Tuesday and Thursday October 7 and 9 (Section 2); 2-4 p.m., Wednesday and Thursday November 12 and 13 (Section 3). *Place:* 351 General Services Building. *Fee:* Free. *Class Limit:* 15. *Instructors:* V. Arlette and D. Neumann. *Prerequisites:* None.

INTRODUCTION TO TEXT EDITING AND FORMATTING

Description: Use of the EDITOR and *FMT in the editing of text and formatting of manuscripts. This course could be of use to those wishing to use the MTS computing system to edit and produce papers, articles, theses, books, and other documents. Adequate computer time will be provided for students to do meaningful exercises. *Dates:* October 14 to October 28, Tuesdays and Thursdays. *Time:* 2-4 p.m. *Place:* G-116 Biological Sciences Building. *Fee:* \$10. *Minimum Enrolment:* 10. *Class Limit:* 15. *Instructor:* Donna Neumann. *Prerequisites:* Students should have had a Use of Terminals course or equivalent. *Text:* "Manuscript Production Handbook" by Christie and Semchuk. *References:* "The File Editor" by Crawford and Holberton.

ADVANCED TEXT PROCESSING

Description: Use of advanced text processing facilities within *FMT, NEW:FMT, the EDITOR, NEW:EDIT, and phototypesetting programs. This course would be a valuable aid to persons involved in producing publications. Adequate computing resources will be provided for students to do practical exercises. *Prerequisite:* "Intro to Text Processing" or its

equivalent. *Text:* "FMT Reference Manual" by J. Pearkins. *Dates:* November 13 to November 25, Tuesdays and Thursdays. *Time:* 2-4 p.m. *Class Limit:* 15. *Place:* G-116 Biological Sciences Building. *Instructor:* R. Sharpe and guest lecturers. *Fee:* \$10.

MTS OVERVIEW

Description: A comprehensive course on the use of files, devices, commands, and the line file Editor program under the Michigan Terminal System (MTS), the main operating system at Computing Services. MTS features such as shared files will be discussed in detail. *Dates:* September 15 to October 15, Mondays and Wednesdays. *Time:* 2-4 p.m. *Place:* B-108 Biological Sciences Building. *Fee:* \$10. *Class Limit:* 15. *Instructor:* Peter Johnston. *Prerequisites:* A basic knowledge of computing; knowledge of at least one high level programming language (preferably FORTRAN) is desirable. *Text:* "Introduction to Computing Services and MTS" by Semchuk and Butler. *References:* "MTS Command Language" edited by Webster, and "The File Editor" by Crawford and Holberton.

INTRODUCTION TO COMPUTING THROUGH FORTRAN IV

Description: This course emphasizes the basics of programming using the "learning by doing" philosophy: class members will be given adequate computing funds to enable them to use the Student Oriented Batch system. However, no mathematical, statistical, or computing background is required. Some topics in structured programming and documentation/flowcharting will also be discussed, along with a demonstration of the Interactive FORTRAN system. *Dates:* September 30 to October 30, Tuesdays and Thursdays. *Time:* 2-3:30 p.m. (Section 1); 7-9 p.m. (Section 2). *Place:* Chemical-Mineral Engineering Building (Section 1); Mechanical Engineering Building (Section 2). *Fee:* \$10 (includes SOB runs). *Minimum Enrolment:* 8. *Class Limit:* 15. *Instructor:* Jon Pearkins. *Prerequisites:* None. *Text:* "FORTRAN IV" by Organick/Meissner. *References:* "FORTRAN IV with WATFOR and WATFIV" by Cress, Dirksen and Graham; "Computer Usage/Fundamentals" by Eric A. Weiss.

ADVANCED FORTRAN PROGRAMMING

Description: A seminar-oriented course of interest to users familiar with the basics of the FORTRAN IV language. Subscripting, optimization and some specialized topics will be discussed. Adequate computing time will be provided for assigned problems. *Dates:* November 18 to December 11, Tuesdays and Thursdays. *Time:* 2-4 p.m. *Place:* E 345 Chemical-Mineral Engineering Building. *Class Limit:* 40. *Fee:* \$10 (includes computing

time). *Instructor:* Peter Johnston. *Prerequisites:* "Introduction to Computing through FORTRAN IV", or some FORTRAN experience. *Text:* "FORTRAN IV with WATFOR and WATFIV" by Cress, Dirksen, and Graham.

PEOPLE

■ Pat Hayes, Assistant Professor in the School of Nursing, one of the organizers of the National Committee of Nurse-Midwives, and Nursing President of the Western Nurse-Midwives Association, represented Canada at the International Confederation of Midwives 17th International Congress in Lausanne, Switzerland in June.

■ L.C. Green, University Professor of the Department of Political Science, has been invited to participate in a Round Table on Humanitarian Law organized by the International Institute of Humanitarian Law in San Remo.

NOTICES

THE MUSIC HOUR

The Music Hour, which has been a co-production of the University of Alberta and CKUA for the past fifteen years, will be handled entirely by CKUA commencing September 1, 1975.

The Departments of Music and Radio and Television are planning to produce a once-a-week program starting in October entitled the University Concert Hour. This program will be broadcast by CKUA, and will consist primarily of recordings of recitals by both staff and students.

The schedule for the Music Hour will no longer be published in *Folio*. If you are interested in the schedule, please call CKUA.

GSA FEE INCREASE

For the past two years, the Graduate Students' Association has been negotiating with the University for the use of the old Power Plant as a Graduate Students' Social Centre. These negotiations have neared completion, and the GSA is about to give final approval to plans for the renovation of the Power Plant. The cost of these renovations is roughly \$250,000 and the responsibility for financing, operating, and supporting the proposed social centre will be upon the graduate students.

An increase in fees paid to the GSA by all graduate students will be necessary if this project is to be undertaken. First approval of a fee increase of between \$15 and \$20 was given by the GSA council at its August meeting. On

September 9, at 7:30 p.m. in 14-6 Tory Building, an open meeting will be held to debate final approval of the proposed plan and the precise amount of fee increase. All interested graduate students are invited to first examine the Power Plant proposal, available in 232 Assiniboia Hall, and then to participate in the discussion on Tuesday, September 9.

MANAGEMENT SEMINAR

The Department of Extension is holding a two-day intensive program entitled "Management and the new manager" on Thursday and Friday, September 25 and 26, from 9 a.m. to 4:30 p.m. The seminar is organized to provide the recently appointed manager with concepts and insight into the art of management. Topics covered will include: planning and management, organizational factors, performance analysis, levels of management, and change and the manager. The emphasis will be placed on organization and motivation of people. The instructors are William A. Presling, Director of Institutional Research and Planning, and Richard Faryon of the Department of Extension. The cost of the course is \$80, and includes textbook, materials, and luncheons. Registration forms can be obtained from the Director, Department of Extension, The University of Alberta, Edmonton T6G 2G4.

AUDIOVISUAL SERVICES RELOCATED

The Audiovisual Services Division of Technical Services has been relocated from 5-29 Mechanical Engineering to the Humanities AV Centre, L2-6 Humanities Centre. Phone numbers are: J. DeWacht, Supervisor, 432-1183; and equipment requests, 432-3923 or 432-1183.

CONCERT BAND

The University of Alberta Concert Band is holding its organizational meeting on Monday, September 8 at 5 p.m. in 123 Fine Arts Building. All interested persons are invited, and are advised to bring their instruments. Further information can be obtained by calling 432-4260 or 432-5709.

CRAFT MARKETING COURSE

The Department of Extension is offering a course in "Craft Marketing" commencing on Tuesday, September 23 and continuing for eight Tuesdays after that. The purpose of the course is to provide Alberta artisans with guidelines by which they may market their products in a business-like fashion. Topics covered will include: promotion and packaging, brochures and publications, and marketing analysis. Classes will be held on accounting, the keeping of records, banking and invoicing; on the various laws which govern licensing, postal regulations, the Copyright Act, and the Food

and Drug Act. The details of establishing a business will also be treated.

The instructor is J.F. Watson of the International Marketing Branch, Economic Development Division, Industry and Commerce, Government of Alberta. The cost of the course is \$50. Registration forms must reach the Director, Department of Extension, The University of Alberta, 82 Avenue and 112 Street, Edmonton T6G 2G4 before September 16. For further information, please phone 432-5066 or 432-5067.

ENTOMOLOGY SEMINARS

The Department of Entomology is presenting two special seminars on September 5 and 8. J.A. Novák of the Institute of Entomology of the Academy of Sciences of Czechoslovakia will lecture on "The Evolution of insect hormones and the origin of metamorphosis and of the pupal instar" on Friday, September 5 in 62 Athabasca Hall (basement, enter from the west). There will be coffee at 4 p.m.; the lecture begins at 4:30 p.m. On Monday, September 8, Dr. Novák will give a lecture on "The main steps in evolution of the human society and principle of sociability" in 345 Agriculture Building at 4:30 p.m.

COMMERCIAL ART GALLERY MANAGEMENT

The Banff Centre's Cultural Resources Management Program is offering a seminar in Commercial Art Gallery Management from September 20 to 24. The seminar will cover the complete operation of commercial galleries: physical plant planning and location; design, lighting and exhibition; promotion and advertising; financing, accounting and bookkeeping; personnel; restoration of graphics, paintings and sculpture; and similar topics. The director of the course is Harold Patton, arts consultant, and other speakers will include Les Graff, Director of the Visual Arts and Crafts Branch of Culture Alberta; Gerald Tooke, artist and Head of Visual and Creative Arts Department of Algonquin College; and Sherman White, arts conservator and restorer in Santa Barbara, California. The seminar is designed for art gallery personnel, arts consultants, museum purchasing agents, government agencies concerned with the arts, and artists and craftsmen served by art galleries.

Enrolments are limited. The cost is \$180 with accommodation at the Banff Centre extra. For further information write: Wendy Bradley, Co-ordinator, Cultural Resources Management Program, The Banff Centre, Banff, Alberta T0L 0C0; phone (403) 762-3391 local 370.

DEFENSIVE DRIVING COURSES

The Non-Academic Staff Association is sponsoring Defensive Driving Courses again this fall. The courses consist of four two-hour sessions with a film shown in each session. The

first course begins on September 15 and continues on Mondays and Wednesdays until September 24. The second course begins on October 7 and continues on Tuesdays and Thursdays until October 16. The classes will be held from 7 p.m. to 9 p.m. at NASA House, 11046 87 Avenue. The cost of the course is \$9, and if you are interested in attending a course, please call the NASA office at 432-4719. For further information, call Lindsay Miles at 432-3461 or Jim Meadahl at 436-1616.

"ON CAMPUS AND OFF" EVENTS POSTER

The Publications Office will begin printing the "On Campus and Off" Events Poster again this year on September 20. The poster is printed and distributed as a service to the University and the community. It covers essentially the same material as the *Folio's* "This Week and Next" column, but it reaches a wider audience. We invite you to send us information about upcoming events such as plays, films, lectures, poetry readings, concerts, art exhibitions, sports events and so on which are either on or near campus, or which involve or are of interest to University people. The posters are displayed throughout the campus, and in various places around the city such as the art gallery, libraries, high schools and colleges, and some shopping centres and similar public places.

In keeping with our printing schedule we ask that you notify us of events approximately one month prior to the event's date. For example if a play is to occur on October 3, it will be included on the poster which covers the period of September 20 to October 5. The notice for that event must reach us by September 8. If we can be of any assistance in publicizing your event please call Greg Hickmore at 432-4991, or send a notice to the Publications Office, 326 Assiniboia Hall.

SATURDAY MOVEMENT EDUCATION PROGRAM

The Department of Educational Services of the Faculty of Physical Education is offering Saturday morning movement classes for children between the ages of two and eight. A 9 a.m. class will be held for three, four, and five year-olds only; the 10 a.m. and 11 a.m. classes will be held for three separate age groups: six, seven, and eight year-olds; four and five year-olds; and two and three year-olds.

Fall classes begin on September 20 in the Education Gymnasium. The fee per session is \$10. For further information and registration please call 432-3652.

NASA MIXED CURLING LEAGUE

All NASA members interested in curling in the Mixed League are invited to attend an organizational meeting on Tuesday, September 9 at 12 noon in 855 General Services Building. This year the league will curl on Monday nights at 7 p.m. in SUB. For further

information, call Brian McCallam at 432-4121, Dennis Nolin at 432-1183, or Brian Forester at 432-5637.

VOLUNTEERS NEEDED FOR LUNG FUNCTION TESTING

The Department of Medicine needs healthy non-smokers between 25 and 80 years of age to assist in establishing the normal standards for a new lung function testing procedure. The test is painless, requires little effort, and will take only 40 minutes of your time. For additional information and appointment please phone Dr. R.L. Jones at 432-6475 or 432-6216.

CHILDREN NEEDED FOR MUSIC PROGRAMS

University staff who have children in grade seven are invited to apply on their behalf for instruction in music programs being offered by the Music Education Laboratory (MELAB) during 1975-76. This is the thirteenth year these programs have been offered.

The children will form a band and a beginning string orchestra. No musical experience is required and the use of an instrument is included in the annual fee of \$20. For further information, please call 432-3680 or 439-2415, or write to Professor Alan Smith, Department of Secondary Education.

GFC STANDING COMMITTEE VACANCIES

The GFC Nominating Committee is seeking nominations for vacancies on the following committees:

1. Radio and Television: vacancy exists for one academic staff member;
2. Undergraduate Scholarship Committee: vacancies exist for one academic staff member and one undergraduate student member. Those who have suggestions for nominations or are interested in serving on either of the above committees are requested to contact the Secretary of the Nominating Committee, Mrs. P. Campbell, 2-1 University Hall, phone 432-4965.

THIS WEEK AND NEXT

Listings must reach the Editor by 9 a.m. the Friday prior to publication. Written notification is preferred.

4 SEPTEMBER, THURSDAY

Gallery Cinema

7:30 p.m. *How Tasty Was My Little Frenchman* (Brazil, 1971). Directed by Nelson Pereira Dos Santos. Downstairs, Edmonton Art Gallery. Admission \$2.

5 SEPTEMBER, FRIDAY

Public Seminar

9:30 a.m. Garret Hardin gives the opening

lecture of the seminar on future growth patterns in Alberta and the western world. Multimedia room, Education North 2-115.

Faculty Club

Downstairs. "Back to School." Barbecued salmon or whitefish, tomato aspic and green salads, and apple pie with rum sauce. \$3.50. *Upstairs.* Lobster. Also regular dinner menu. Reservations required.

6 SEPTEMBER, SATURDAY

Football

2 p.m. The University of Saskatchewan versus the Golden Bears at Varsity Stadium.

Faculty Club

Downstairs. "Barbecue-your-own." Steaks \$5.50, hamburgers \$2.75; with salad buffet. *Upstairs.* Lobster. Also regular dinner menu. Reservations required. Entertainment: Huck Finn Show.

7 SEPTEMBER, SUNDAY

Gallery Cinema

2 p.m. *The Rebellion of the Samurai* (Japan, 1967). Directed by Masaki Kobayashi with Toshiro Mifune. Downstairs, Edmonton Art Gallery. Admission \$2.

'In Touch with U'

And every Sunday. 5 p.m. A program to introduce the University to the community at large. CITV channel 13, cable 8.

10 SEPTEMBER, WEDNESDAY

Student Cinema

7 p.m. and 9:30 p.m. *Lacombe, Lucien* (France, 1974). Directed by Louis Malle, starring Pierre Blaise, Aurore Clement, and Holger Lowenadler. Students' Union Theatre. Tickets \$1 advance at the Students' Union Box Office in HUB Mall, or \$1.50 at the door.

11 SEPTEMBER, THURSDAY

Concert

6:30 p.m. and 9:45 p.m. The Bee Gees perform at the Jubilee Auditorium, 114 Street and 87 Avenue. Tickets at Mike's 424-8911, 429-0848.

12 SEPTEMBER, FRIDAY

Student Cinema

7 p.m. and 9:30 p.m. *Chinatown* (United States, 1974). Directed by Roman Polanski, starring Jack Nicholson, Faye Dunaway, and John Huston. Students' Union Theatre. Tickets \$1 advance at the Students' Union Box Office in HUB Mall, or \$1.50 at the door.

Faculty Club

Downstairs. "A Bavarian Meal." Falscher

wildschweinbraten, red cabbage, strevselkuchen.
Entertainment: Gaby Haas.
Upstairs. Regular dinner menu. Reservations required.

Concert

8:30 p.m. The Tijuana Brass at the Jubilee Auditorium, 114 Street and 87 Avenue. Tickets at Mike's 424-8911, 429-0848.

13 SEPTEMBER, SATURDAY

Faculty Club

Downstairs. "Pizzeria Uno." An array of pizzas, green pepper salad, spumoni, chianti brolio. \$4.50.

Upstairs. Regular dinner menu. Reservations required. Entertainment: Background Music.

Student Cinema

7 p.m. and 9:30 p.m. *Chinatown* (United States, 1974). Directed by Roman Polanski, starring Jack Nicholson, Faye Dunaway, and John Huston. Students' Union Theatre. Tickets \$1 advance at the Students' Union Box Office in HUB Mall, or \$1.50 at the door.

Concert

8 p.m. The Bill Evans Trio and the Jack DeJohnette Quartet perform jazz at the Jubilee Auditorium, 114 Street and 87 Avenue. Tickets at Mike's 424-8911, and the Students' Union 432-4236.

EXHIBITIONS AND PLAYS

Edmonton Art Gallery

Opening 4 September. "Canadian Painting in the Thirties," a travelling exhibition organized by the National Gallery of Canada displays work by such artists as A.Y. Jackson, Emily Carr, David Milne, Goodridge Roberts, John Lyman, Paraskeva Clark and others.
4 September to 26 September. Exhibition of works by Calgary artist J.D. Turner, a close associate of the Group of Seven, featuring oils and watercolor sketches of rural Alberta subjects.

Northern Light Theatre

Until 5 September. *Cecile or a School for Fathers* by Jean Anouilh. Curtain time: 12:10 p.m. Extra showing at 1:15 p.m. Wednesday, Thursday and Friday. Edmonton Art Gallery, downstairs. Admission \$1.50. Food can be purchased in the lobby, courtesy of the Hot Box Restaurant.

Provincial Museum

Continuing. "Documentary Heritage," a long-term exhibition displaying valuable manuscripts and documents in the Provincial Archives of Alberta. Archives Gallery.
Continuing. "Ukrainian Churches in Alberta," a selection of paintings of Ukrainian churches by Parasia Iwanec.

POSITIONS VACANT

ACADEMIC POSITIONS

Administrative/Professional Officer I Department of History

Duties: to include administrative organization, personnel administration; preparation of departmental budgets; control of expenditures; preparation of statistical reports; supervision of student record processing and registration procedures; co-ordinating timetable and calendar submissions; student counselling on non-academic matters; and provision of secretarial duties for principal departmental committees.

Qualifications: a proven record of administrative ability; and effective communication skills, both written and oral. *Salary range:* \$12,592 to \$15,782.

Apply to: W.J. Jones, Chairman, Department of History, Henry Marshall Tory Building, University of Alberta. *Closing date:* September 15, 1975.

NON-ACADEMIC STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201. Please do not contact the department directly.

Clerk Typist I (\$467-\$576)—University Health Service; Faculty of Engineering

Clerk Typist II (\$505-\$627)—Student Programs and Records; Physical Plant; Central Stores; Education Administration; Office of the Registrar; Provincial Laboratory (2 positions); Computing Services (Operations); Computing Services (Systems); Office of Administrative Systems

Clerk Typist II (term) (\$505-\$627)—Division of Field Experience

Clerk Typist III (\$576-\$713)—School of Nursing; Physical Plant

Clerk Typist III (term) (\$576-\$713)—Soil Science

Clerk Steno I (\$485-\$599)—Education Administration

Clerk Steno II (\$527-\$653)—Division of Field Experience; Elementary Education; Business Administration and Commerce

Clerk Steno II (part-time) (\$264-\$326)—University Senate

Clerk Steno III (\$599-\$744)—Sociology; Clinical Services; Faculty of Education; Pharmacology; Psychiatry; Faculty of Law; Physics; Campus Development Office; University Health Service Medical Steno (\$653-\$814)—Pediatrics; Internal Medicine

Secretary (part-time) (\$342-\$427)—Division of East European and Soviet Studies

Secretary (\$683-\$853)—Psychology; Geography; Chemistry

Administrative Clerk (\$713-\$891)—Radio and T.V.

Library Clerk II (term) (\$527-\$653)—Music

Payroll Clerk (\$527-\$653)—Comptrollers

Clerk (term) (\$467-\$576)—Dentistry

Senior Clerk (\$576-\$713)—Printing Services

Cutter Seamstress (\$599-\$744)—Drama

Duplicating Equipment Operator (term) (\$505-\$627)—Duplicating Services

Computer Operator I (\$744-\$932)—Computing Services Technician I (trust) (\$713-\$891)—Pediatrics

Assistant Control Clerk (\$467-\$576)—Computing Services

Analyst (\$1,171-\$1,474)—Computing Services

Laboratory Assistant I (\$467-\$576)—Provincial

Laboratory

Programmer I (trust) (\$744-\$932)—McLaughlin Centre

Extension Assistant (\$932-\$1,171)—Extension

Programmer II (\$932-\$1,171)—Office of Administrative Systems

Biologist Technologist I (\$932-\$1,171)—Genetics

Accounts Clerk III (\$814-\$1,020)—Office of the Comptroller

Analyst (\$1,171-\$1,474)—Health Sciences, Computer Application

Computer Assistant I (\$527-\$653)—Computing Services
Equipment Assistant I (\$653-\$814)—Physical Education (3 positions)

Personnel Assistant (\$932-\$1,171)—Physical Plant

Technician I (trust) (term) (\$713-\$891)—Soil Science

Technician III (\$932-\$1,171)—Mineral Engineering

Laboratory Assistant III (\$627-\$779)—Botany

Graphics Technician I (\$713-\$891)—Technical Services

Storeman II (\$683-\$853)—Central Stores (two positions)

Dental Records Clerk (\$576-\$713)—Dentistry

Electron Microscope Technician III (trust)

(\$932-\$1,171)—Anatomy

Technician I (\$713-\$891)—Plant Science

Laboratory Assistant I (trust) (part-time) (open)—Provincial Laboratory

Analyst Trainee (\$932-\$1,171)—Physical Plant

The following is a list of currently available positions in the University Library. The bulletin board postings in the Library Personnel Office, 516 Cameron Library should be consulted for further information as to position requirements and availability.

Library Clerk I (\$485-\$599)—Acquisitions

Bookkeeper I (\$505-\$627)—Accounting

Library Clerk II (\$527-\$653)—Circulation

Library Clerk III (\$576-\$713)—Cataloguing; Acquisitions

Library Assistant I (\$627-\$779)—Bibliographic Verification

Library Assistant II (\$713-\$891)—Circulation

GRANTING AGENCIES: APPLICATION DEADLINES

This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in *Folio*. In order to allow sufficient time for processing, all applications should reach the Research Grants and Contracts Office at least 10 days before the deadline date. Where other University resources are involved,

The Plant Cupboard

Fine Plants
and Accessories

HUB Mall
Phone 433-4342.

the time requirement may be much longer than 10 days and such application should be provided for the Research Grants and Contracts Office.

Further information may be obtained by consulting the *Calendar of Granting Agencies for Research Funds, Exchange Programs, and Travel Grants*, which is available in the offices of Deans, Directors of Institutes, Centres, and Schools, and Department Chairmen, or by phoning the Research Grants and Contracts Office, 432-5360. Code: (R) Research funds; (E) Exchange programs; (T) Travel grants

Calendar source number	Code	Granting agency	Deadline date
(10)	R	Agriculture Canada—Extra-mural Research Grants Operating Grants	Oct. 1 Dec. 15
(17)	R	Alberta Environmental Research Trust	Oct. 1
(25)	R	American Philosophical Society	Oct. 24 Dec. 26 Feb. 20 Apr. 23 Aug. 20
(56)	R	Canada Council—Killam Program	Oct. 1
(62)	T	Canada Council—Leave Fellowships	Oct. 1
(65)	R	Canadian Arthritis and Rheumatism Society	Oct. 15
(75)	R	Canadian Cystic Fibrosis Foundation	Oct. 15
(85)	R	Canadian Heart Foundation	Oct. 1
(420)	R	U.S. Department of Health, Education, and Welfare— —new and supplemental	Oct. 1 Feb. 1 June 1
		—renewal	Sept. 1 Jan. 1 May 1

PERSONAL NOTICES

All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week, and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance.

We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.

Accommodation available

For sale—By owner. Belgravia-University; river-valley view. 11826 74 Avenue. Choice neighborhood. Large beautifully landscaped two-storey. Spanish stucco; four bedrooms, den, interesting rumpus room, three-car garage. Close to schools, shopping, transportation. Ideal family home. Call 436-1179 for appointment. Principals only.

For rent—January-July 1976. 4-bedroom house, Windsor Park. Suitable for children. 439-3766, after five.

For sale—By owner. Choice lot in Arizona. Priced for quick sale. Trade for car or land in Canada considered. 435-7126 evenings.

For sale—Fully winterized and soundproof A-frame structure. 18' x 18' with gas heater and electric power. Perfect for quiet studio or office. 432-3904 days; 435-1540 evenings.

For rent—Large house, 111 Street-83 Avenue. Will be rented by the month. Available in September. \$450. 435-4547.

For Sale—By Owner. Petrolia. 4-level split, 1,731 sq. ft.; 4 bedrooms, double fireplace, double garage; close to all schools. 4412 115 St. Phone 435-2223. evenings.

Goods and services

HUB Beauty Salon—telephone 433-0240. Winner of award. \$40 perms now \$25. HUB mall.

Typing done—Fast, efficient service. Georgina Campbell, 489-4810 evenings.

Wanted—Children 3 - 5. McKernan Park Daycare, 11125 76 Avenue. Opening September 2. 466-1508. Fresh natural honey delivered in quantity. 487-1167, evenings.

Interesting low-cost tours for university scholars. Also round-trip excursions: geographers, historians and men and women with interest in world religions. Kabul, Afghanistan, New Delhi. \$700 and up (cost of living less than \$5 a day). 429-1079 Indus Tours.

Urgently needed—Responsible person to look after three small children for four to eight hours a week. Belgravia area. 436-4663.

For Sale—complete 6-place 48-piece tea and dinner settings of Royal Doulton Thistledown bone china, 2 coffee sets, cassette tape recorder, curling sweater size 42, sleeping bag, Christmas tree and decorations, mirror. All as new. 432-3881 evenings. 439-4183 weekends.

Nursery School—Springhill Nursery School has some vacancies in the two-, three-, and four-year-old groups. Please contact for further information Mary Beth McDonald, 436-3472 or Sharon Kysela, 439-6896.

Expert editing available for report writing, editing assignments, etc. from staff and/or graduate students 432-4788 afternoons, 488-6669 evenings.

For sale—Ladies' standard bicycle; good condition. \$45. Phone 434-0831.

Camera Club—*Image Alberta's* annual organizational meeting—new members welcome. September 11, small lecture room, Provincial Museum. More information? Call Deborah, 432-5295.

Automobiles and accessories

For sale—1968 Pontiac Parisienne four-door, automatic, p.s., p.b., good condition. 432-8571 after 6 p.m., ask for Chris or Hans.

arts and crafts centre

Arts and Crafts Classes this Fall September 21 to November 29

Courses: 10 week classes in beginning and intermediate ceramics; primitive, floor, and table loom weaving; batik; macramé; copper enameling; silk screen painting; basic art and design. Fees range from \$25-\$40 for Students' Union members and \$35-\$60 for non-members.

Registration: 3:30 to 6:30 pm weekdays in the Students' Union Craft Shop, east hallway, Students' Union Building. Call 432-4537 for further information.

Fall Exhibition and Sale September 8 to 15

Students' Union Art Gallery, Main Floor, Students' Union Building, 89 Avenue east of 116 Street adjacent to parkade.

The exhibition and sale will be open from 2 pm to 8 pm—Monday through Friday and 2 pm to 6 pm on Saturday and Sunday.

On sale will be student and professional ceramics, batiks, weaving, macramé, copper enameling and jewelry.

Drs. LeDrew, Rowand, Jones, Rooney, Bain and Associates

Optometrists' Clinic

Campus Branch, HUB Mall
8922 112 Street, 439-5878



**Realscope
Realty Ltd.**

*In the heart of the
University Community*

11204 76 Avenue 436-6780